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# MD7090 User Guide

Digital 5.8 GHz

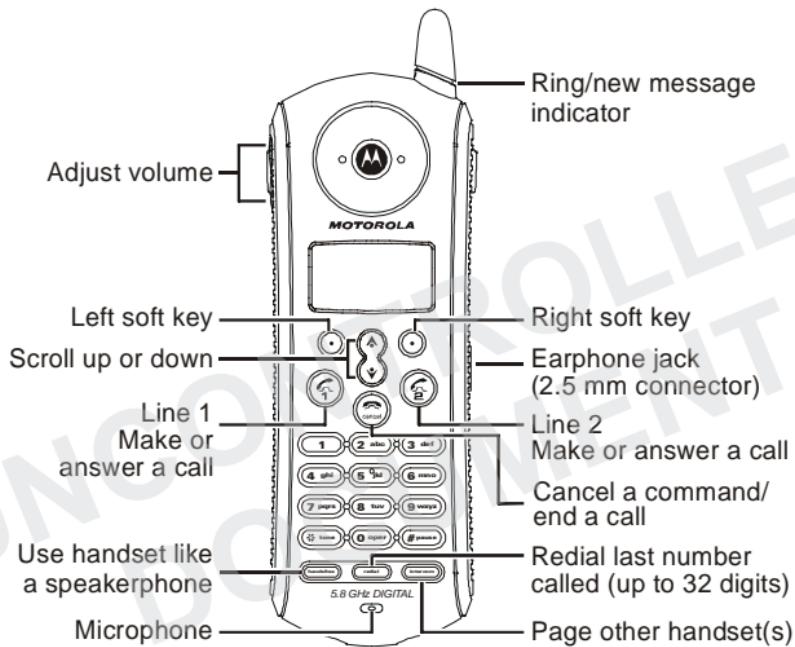
Expandable Corded/Cordless Two-Line  
Telephone System with Base  
Speakerphone, Keypad, and  
Answering Machine



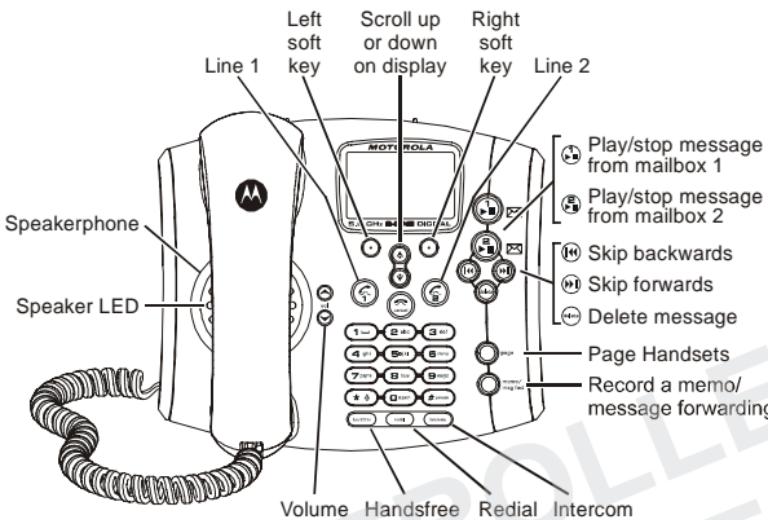
# Welcome

Congratulations on your purchase of a Motorola product!

## Expansion Handset Overview



## Base Station Controls



### Soft Keys

The left and right soft keys perform the function displayed. For example, pressing the left soft key while **PHONEBK** is displayed, opens your list of phone numbers and names.

For a copy of a large-print version of this guide (US only), or for product-related questions, please visit us online:

**[www.motorola.com/cordless](http://www.motorola.com/cordless)**

or contact us at:

**1-800-353-2729 U.S.A.**

**1-800-461-4575 Canada**

**1-888-390-6456 TTY (Text Telephone)**

Product registration is an important step toward enjoying your new Motorola product. Registering helps us facilitate warranty service, and permits us to contact you should your Motorola product require an update or other service. Registration is not required for warranty coverage.

To register your product online, visit:  
<https://broadbandregistration.motorola.com>

**Note:** Product registration is not available in Canada.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Product, you will need to provide a copy of your dated sales receipt to confirm warranty status.

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# *Important Safety Instructions*

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Follow these safety precautions when using your cordless phone to reduce the risk of fire, electric shock and injury to persons or property:

## ***To reduce the risk of fire and shock:***

1. Keep all slits and openings of the phone unblocked. Do not set the phone on a heating register or over a radiator. Ensure that proper ventilation is provided at the installation site.
2. Do not use while wet or while standing in water.
3. Do not use this product near water (for example, near a bath tub, kitchen sink, or swimming pool).
4. Do not allow anything to rest on the power cord. Place the power cord so that it will not be walked on.
5. Never insert objects of any kind into the product slits as that may result in fire or shock.
6. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
7. Do not disassemble this product. If service or repair work is required, contact the Motorola address found in the back of this user guide.
8. Do not overload wall outlets and extension cords.
9. Avoid using during an electrical storm. Use a surge protector to protect the equipment.
10. Do not use this cordless phone to report a gas leak, especially if you are in the vicinity of the gas line.

**Caution:** To reduce the risk of fire, use only No. 26 AWG or larger UL listed or CSA Certified Telecommunication Line Cord.

***Unplug this cordless phone immediately from an outlet if:***

- The power cord or plug is damaged or frayed.
- Liquid has been spilled into the product.
- The product has been exposed to rain or water. Do not retrieve the handset or base until after you have unplugged the power and phone from the wall. Then retrieve the unit by the unplugged cords.
- The product has been dropped or the cabinet has been damaged.
- The product exhibits a distinct change in performance.

***Installation Guidelines***

1. Read and understand all instructions and save them for future reference.
2. Follow all warnings and instructions marked on the product.
3. Do not install this product near a bath tub, sink, or shower.
4. Operate this phone using only the power source that is indicated on the marking label. If you are unsure of the power supply to your home, consult your dealer or local power company.
5. Do not place this product on an unstable cart, stand, or table. This product may fall, causing serious damage to the product.
6. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work to restore the product to normal operation.
7. Clean this product with a soft, damp cloth. Do not use chemicals or cleaning agents.

**Safety Info**

- 8. Use only the power supply that came with this unit. Using other power supplies may damage the unit.
- 9. Because cordless phones operate on electricity, you should have at least one phone in your home that isn't cordless, in case the power in your home goes out.
- 10. To avoid interference to nearby appliances, do not place the base of the cordless phone on or near a TV, microwave oven, refrigerator, or VCR.

**Caution:** To maintain compliance with the FCC's RF exposure guidelines, place the base unit at least 20 cm from nearby persons.

# *FCC Information*

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This equipment complies with Parts 15 and 68 of the FCC rules and the requirements adopted by the Administrative Council for Terminal Attachments (ACTA).

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

## **Notification of Local Telephone Company**

On the bottom of this equipment is a label that contains, among other information, a product identifier in the form US:AAAEQ##TXXXX. You must, upon request, provide this information to your telephone company.

The digits represented by ## in the product identifier indicate the Ringer Equivalency Number (REN) for this equipment. The REN is useful in determining the number of devices you may connect to your telephone line and still have all of these devices ring when your telephone number is called. In most (but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices you may connect to your line as determined by the REN, contact your local telephone company.

*Note:* This equipment may not be used on coin service provided by the telephone company.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this cordless phone does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

Notice must be given to the telephone company upon permanent disconnection of your telephone from your line. The FCC requires that you connect your cordless telephone to the nationwide telephone network through a modular telephone jack (USOC RJ11C/RJ11W or RJ14C/RJ14W).

### **Rights of the Telephone Company**

Should your equipment cause trouble on your line which may harm the telephone network, the telephone company shall, where practicable, notify you that temporary discontinuance of service may be required.

Where prior notice is not practical and the circumstances warrant such action, the telephone company may temporarily disconnect service immediately. In case of such temporary discontinuance, the telephone company must:

- Promptly notify you of such temporary discontinuance
- Afford you the opportunity to correct the situation

- Inform you of your right to bring a complaint to the Commission pursuant to procedures set forth in Subpart E of Part 68, FCC Rules and Regulations.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

### **Interference Information**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference with one or more of the following measures:

- Reorient or relocate the receiving antenna (that is, the antenna for the radio or television that is "receiving" the interference).
- Reorient or relocate and increase the separation between the telecommunications equipment and the receiving antenna.
- Connect the telecommunications equipment into an outlet on a circuit different from that to which the receiving antenna is connected.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How to Identify and Resolve Radio/TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Please specify stock number 004-000-00345-4 when ordering copies.

The FCC requires this product to be serviced only by Motorola or its authorized service agents.

**CAUTION / WARNING:** Changes or modifications not expressly approved by Motorola could void not only the user's authority to operate the equipment, but also the limited warranty.

## **Hearing Aid Compatibility**

This telephone system meets the FCC standards for hearing aid compatibility.

FCC Info

UNCONTROLLED  
DOCUMENT

## *Industry Canada (IC) Information*

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This equipment meets the applicable Industry Canada (IC) radio and terminal equipment technical specifications. This is confirmed by the certification/registration number found on the label on the bottom of the base unit. The abbreviation IC before the certification/registration number only signifies that registration was performed based on a Declaration of Conformity and that the Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment. The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

The Ringer Equivalency Number (REN) for this equipment is located on the FCC/IC label on the telephone base unit. The REN is useful in determining the maximum number of devices you may connect to your telephone line and still have all of these devices ring when your telephone number is called. The sum of the RENs of all devices connected to one line may not exceed 5.

Before installing this cordless phone, you should make sure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must be installed using an acceptable method of connection. In some cases, the telecommunications company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). You should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

The plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the rules and requirements in Industry Canada's CS-03. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant.

For your protection, ensure that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

You should not attempt to make such connections yourself. Contact the appropriate electrical inspection authority or an electrician, as appropriate. If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this cordless phone does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

## **Repairs**

Repairs to this equipment should be made by an authorized Canadian maintenance facility designated by Motorola. Any repairs or alterations made by the consumer, or any malfunctions of this equipment, may give the telecommunications company cause to request that you disconnect the equipment, and may void the limited warranty.

## **Privacy**

Privacy of communications may not be ensured when using this telephone. Other devices, including other cordless telephones, may interfere with the operation of this cordless phone or cause noise during operation. Units without code access may be accessed by other radio communications devices.

## **Hearing Aid Compatibility**

This telephone system meets Industry Canada standards for hearing aid compatibility.

## **Interference Information**

This device complies with Industry Canada's RSS-210.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference; and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Industry Canada's ICES-003. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference with one or more of the following measures:

- Reorient or relocate the receiving antenna (that is, the antenna for radio or television that is "receiving" the interference).
- Reorient or relocate and increase the separation between the telecommunications equipment and the receiving antenna.
- Connect the telecommunications equipment into an outlet on a circuit different from that to which the receiving antenna is connected.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions.

Industry Canada publishes several publications to assist consumers with solving interference problems, which are available from its offices or from its web site ([strategis.gc.ca](http://strategis.gc.ca)).

# *Getting Started*

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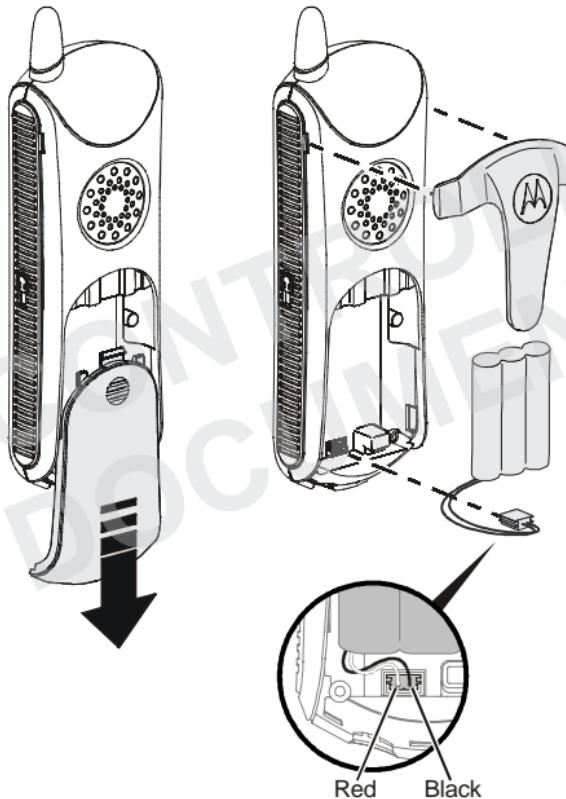
Before you can use your telephone to make or answer calls, you must charge the battery. This section provides the step-by-step instructions you will need.

## *Battery Safety Instructions*

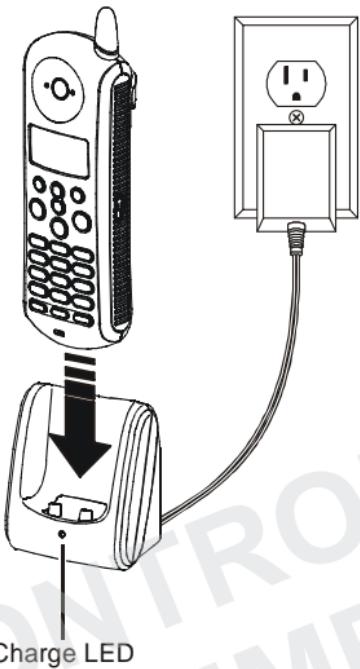
- Do not burn, disassemble, mutilate, or puncture the battery. The battery contains toxic materials that could be released, resulting in injury.
- **Caution:** There is a risk of explosion if you replace the battery with an incorrect battery type. Use only the battery that came with your phone or an authorized replacement recommended by the manufacturer.
- Keep batteries out of the reach of children.
- Remove batteries if storing over 30 days.
- Do not dispose of batteries in fire, which could result in explosion.
- The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods.

## Charging the Battery

- 1 Remove any stickers if present.
- 2 Remove the battery door.
- 3 Insert the battery into the battery compartment.
- 4 Plug the battery connector into the receptacle in the battery compartment and replace the battery door.



5 Plug the power cord into the back of the charging base and into an outlet.



6 Rest the handset in the base so the charging LED lights.

7 For the initial charge, charge the battery for **at least 16 hours.**

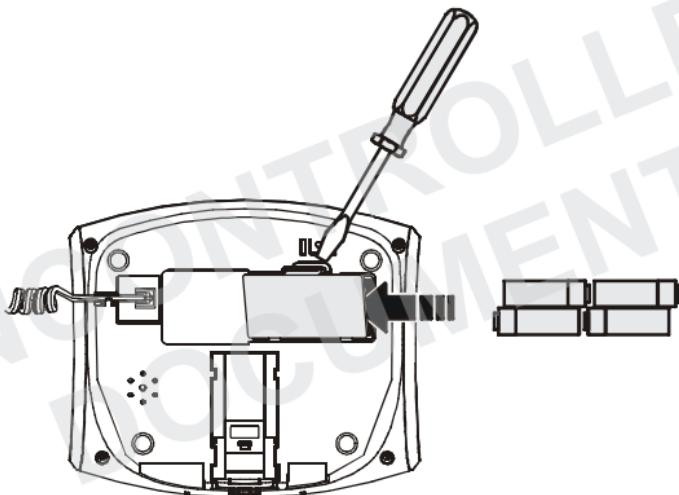
**Note:** Every time a battery is plugged in, the phone must be charged in the base for at least 10 seconds for the phone to properly restart.

## Installing Backup Batteries

Four AA alkaline batteries (not included) can be installed into the base as backup in case of a power outage.

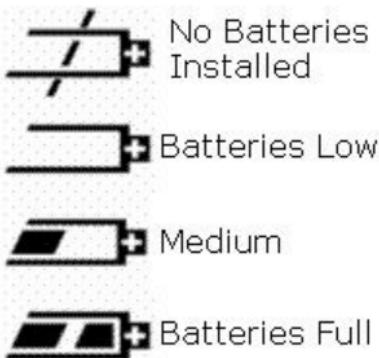
**Note:** The corded handset will work during power outages with or without the backup batteries.

- 1 With the back of the base facing you, press the cover latch to remove the battery compartment cover.



- 2 Insert four AA alkaline batteries as directed on the compartment.
- 3 Replace the compartment cover by inserting the tabs of the cover into the slots on the base unit. Press down until the cover clicks into place.

The base display has a battery meter to show status of the backup batteries.



**Note:** The backup batteries discharge somewhat during each power outage. If your power fails often or for more than an hour, you should replace the batteries to ensure they are fresh whenever they are needed.

### *Installing the Corded Handset*

Connect the coiled cord between the corded handset and base as shown.



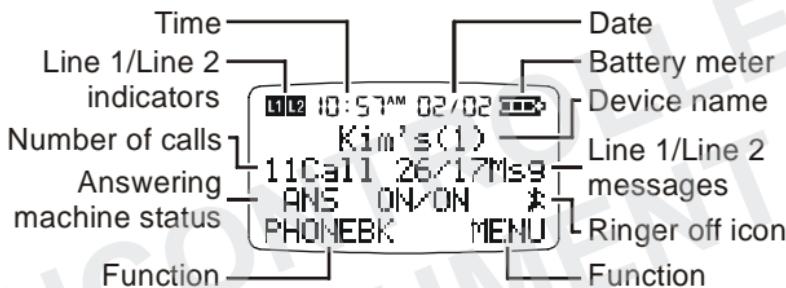
## Telephone Overview

The handset and base unit displays, soft keys, and navigation keys are used to select the various features and functions of your phone. This section describes how to use these components so you can set up your preferences.

For step-by-step instructions on setting personal preferences, see "Setting Up."

### Using the Phone Display

The main display:

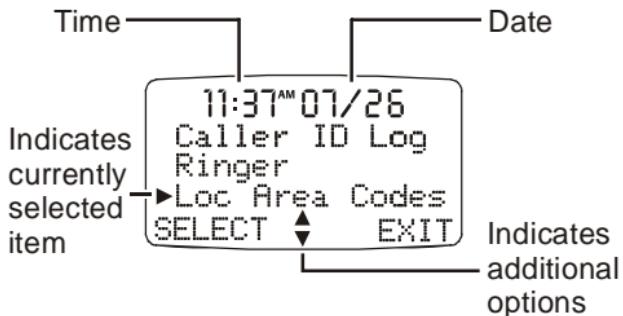


When the phone is not in use, the standby screen is displayed.

**Note:** Caller ID information is supplied only if you subscribe to Caller ID service from your local phone company.

When the speakerphone is on, displays.

## The menu display:



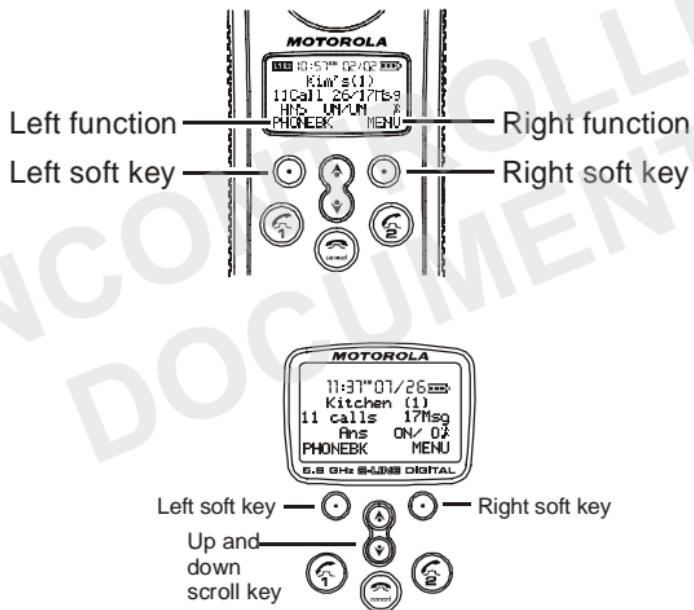
In a menu display, ▶ points to the currently selected item, and ◆ indicates there are more items above and below the currently selected item.

## Using the Soft Keys

Two soft keys are used to select the functions shown above them on the display. The functions change as you move from one screen to the next. In this guide, soft key functions are shown as the function name. For example, if a step instructs you to “select **MENU**,” do so by pressing the soft key below **MENU**.

## Using the Navigation Key

The navigation key is used to scroll up and down through menu items, lists of settings, Caller ID and redial lists, and the phonebook.



# Installation

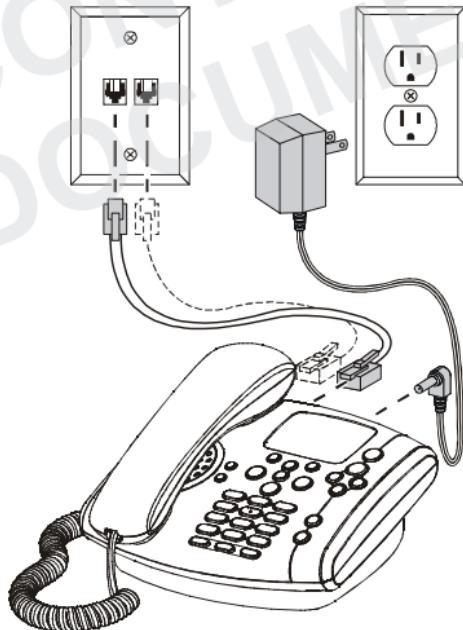
You can install the base unit on a desktop or mount it to a wall. This section provides the step-by-step instructions you will need to install the phone.

## *Installing the Phone on a Desk*

- 1 Plug the telephone line cords for Line 1 and Line 2 into the jack on the back of the phone. (Line 1 = **Tel Line 1/ L1 + L2**. Line 2 = **Tel Line 2**) Plug the corresponding telephone line cords into the wall jacks designated for Line 1 and Line 2.

### **Note:**

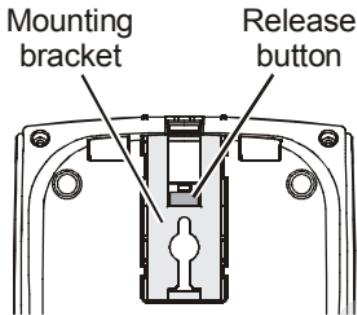
Use the **Tel Line 1/ L1 + L2** if your wall jack has only one socket for both lines.



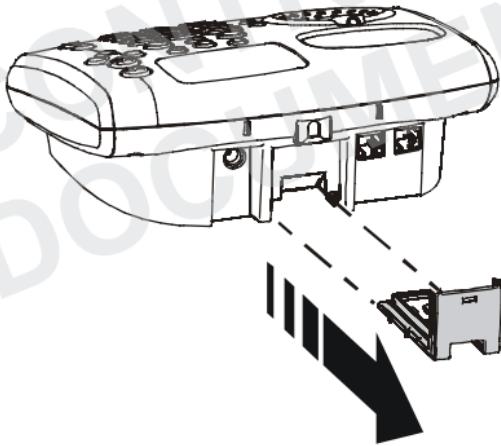
## Installing the Phone on the Wall

The wall mount of your MD7090 series phone is located in the base.

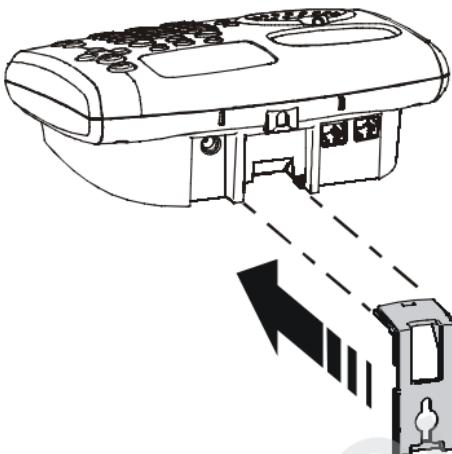
- 1 Press the release button on the bottom of the phone.



- 2 Carefully slide the wall mount from the base.



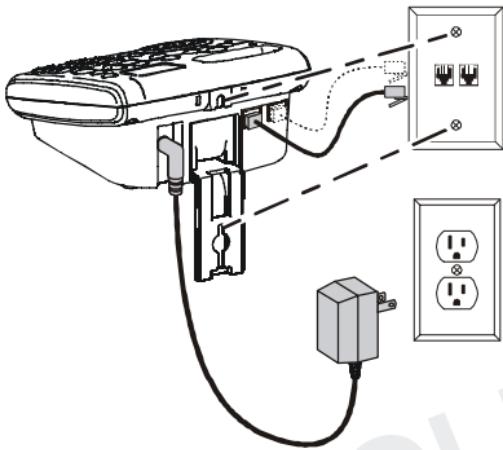
3 Turn the wall mount over so the key slot is facing upward. Align the wall mount with grooves on the base and push gently until the mount clicks in place.



4 Plug the power cord into the back of the base and into an electrical outlet.

5 Plug the telephone line cords for Line 1 and Line 2 into the jack on the back of the phone. (Line 1 = **Tel Line 1/ L1 + L2**. Line 2 = **Tel Line 2**) Plug the corresponding telephone line cords into the wall jacks designated for Line 1 and Line 2.

- 6 Line up the tabs on the wall mount bracket with the holes on the back of the wall mount. Snap the wall mount firmly into place.



## Personalizing Your New Telephone System

Personalize your new telephone system's handsets (your MD7090 series phone is expandable up to eight handsets), base unit and two phone lines by setting unique ring tones, adjusting the ringer volume for day and night, and naming each handset so you can distinguish one from another.

### Ringer Options

Follow the steps listed to set one ring tone for incoming calls, and another ring tone for numbers stored in your phonebook. (You must have Caller ID service to use this feature.)

The Ringer option has five submenus:

- **Day Volume:** ringer volume - factory default 6:00 AM to 9:00 PM (off, low, medium, high)
- **Night Volume:** Ringer volume - factory default 9:00 PM to 6:00 AM (off, low, medium, high)
- **Ringer Tone:** 14 musical ring tones
- **Phonebook Tone:** 14 musical ring tones
- **Key Beeps:** On, Off, Link to Ringer

## Setting the Ring Tone and Ring Volume

- 1 Press  **MENU**.
- 2 Scroll to **Ringer**.
- 3 Select **LINE 1** or **LINE 2**.
- 4 Scroll through list of options. (**Day Volume**, **Night Volume**, **Ringer Tone**, etc.)
- 5 Select desired option.
- 6 Press **Change** to listen to each tone/volume.
- 7 Stop at desired tone/volume to set.
- 8 Press **Done**.
- 9 Press  **EXIT** to return to the standby screen, or scroll to a different menu option.

## Setting Key Beeps On or Off

The phone beeps each time you press a key. You can turn this feature off (the phone beeps by default), or set it to beep only when the ringer is on.

- 1 Select  **MENU**.
- 2 Scroll to **Ringer**.
- 3 Select **LINE 1** or **LINE 2**.
- 4 Press **SELECT**.
- 5 Scroll to **Key Beeps**.
- 6 Press **CHANGE** to scroll through the options **ON**, **OFF**, or **LINKED to RINGER**. (The **LINKED to RINGER** option turns the key beeps on when the ringer is on, and off when the ringer is off.)

## Setting the Ring Tone

If you subscribe to Caller ID service, you can set a specific ring tone for numbers stored in a phonebook (See “Using the Phonebook” on page 25) and another ring tone for all other incoming calls.

- 1 Select **MENU**.
- 2 Scroll to **Ringer**.
- 3 Select **LINE 1** or **LINE 2**.
- 4 Scroll down to **Ring Tone**, to select the ring tone for incoming calls.
- 5 Press **CHANGE** to scroll through the ring tones. Each tone plays as you press **CHANGE**.
- 6 Stop at the desired ring tone.
- 7 Scroll down to **PHONEBOOK TONE**, to set the ring tone for numbers stored in a phonebook.
- 8 Press **DONE**.
- 9 Press **EXIT** to return to the standby screen, or scroll to a different menu option.

## Naming a Handset or Base Unit

When you register a handset to the base, it is assigned a default name of **Handset(x)**, where *x* can be 1, 2, 3, 4, 5, 6, 7, or 8. You can change the name to something more useful, for example a location (**Kitchen**) or someone's name (**Ian**). Naming a handset makes it easy to select the handset from a list (for example, to intercom another handset).

You can change the name of the base unit by using the same steps for naming a handset.

- 1 Press **MENU**.
- 2 Scroll to **Name handset** or **Name base**.
- 3 Press **SELECT**.
- 4 Enter the name you want to use (up to 12 characters). The flashing square shows the input cursor position. Select **DELETE** to erase characters to the left of the input cursor.

The following table shows how many times to press each button on the handset or base unit to enter letters and special characters.

| Button | Number of Presses |   |   |   |   |
|--------|-------------------|---|---|---|---|
|        | 1                 | 2 | 3 | 4 | 5 |
| 1      | space             | – | * | , | 1 |
| 2      | A                 | B | C | ( | 2 |
| 3      | D                 | E | F | ) | 3 |
| 4      | G                 | H | I | # | 4 |
| 5      | J                 | K | L | / | 5 |
| 6      | M                 | N | O | ‘ | 6 |
| 7      | P                 | Q | R | S | 7 |
| 8      | T                 | U | V | ? | 8 |
| 9      | W                 | X | Y | Z | 9 |

The first letter of the entry is an uppercase letter. To change the entry from uppercase to lowercase, press \*. A flashing square indicates that you are in the uppercase text entry mode. A flashing cursor indicates that you are in the lowercase text entry mode.

- 5 Press **DONE**.
- 6 Press **EXIT** to return to the standby screen, or scroll to a different menu option.

## Setting the Date and Time for Your Telephone

- 1 Press **MENU**.
- 2 Scroll to **Date/Time**.
- 3 Press **SELECT**.
- 4 Enter the time. (Two digits are required for both hour and minutes, so use a leading 0 for one digit values.)
- 5 Select **AM/PM** to switch between AM and PM if you are using a 12-hour clock.
- 6 Scroll down to move to the next field.
- 7 Select **CHANGE** to change the time format (12-hour or 24-hour clock). Scroll down to move to the next field.

**Note:** When setting the Date and Time from the base unit, scroll down and press **CHANGE** to select the correct day of the week.

- 8 Press **CHANGE** to select a different date format (MM/DD or DD/MM).
- 9 Scroll down to move to the next field.
- 10 Enter the current date.
- 11 Select **DONE**.
- 12 Select **EXIT** to return to the standby screen, or scroll to a different menu option.

## *Setting the Language*

- 1 Press  **MENU**.
- 2 Scroll to **Language**.
- 3 Press  **SELECT**.
- 4 Scroll to your desired language.
- 5 Select  **DONE**.
- 6 Select  **EXIT** to return to the standby screen, or scroll to a different menu option.

# Using the Phone

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## Making a Call

Press  or . When you hear the dial tone, dial the number.

OR

Enter the phone number, then press  or . This lets you see the phone number on the display before the number is dialed.

During a call, a timer on the display shows the length of the call.

## Ending a Call

When you are finished talking, press  cancel to hang up.

## Answering a Call

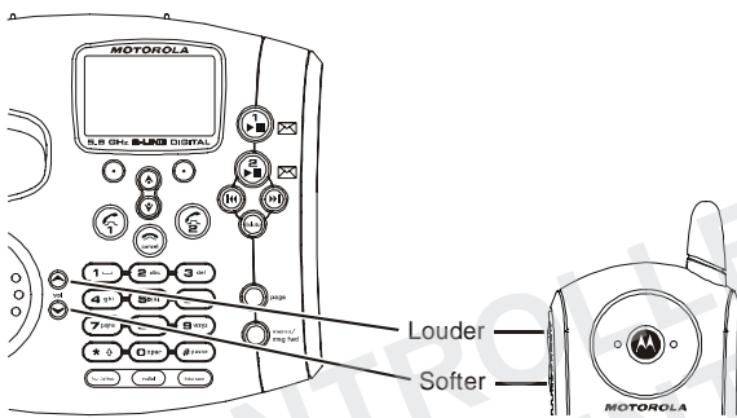
Press  or  or **HANDSFREE** to answer using the speakerphone.

If you have call waiting service, press  or  to answer the second call.

**Note:** If you receive an incoming call while on line L1 or L2 (please keep icons), there is an audible sound on the line, the caller ID data appears on the screen, the line icon (L1 L2) is visible, and the corresponding mailbox on the base unit blinks. If you have expansion handset registered to your base unit, the handsets will ring.

**Note:** If you use DSL, please use the filtering devices provided by your DSL service company to prevent interference. If interference does occur, please contact your DSL service provider.

## *Adjusting the Volume During a Call*



## *Inserting Pauses in a Number*

When you call a number featuring a pause, the phone waits three seconds before transmitting the next digits in the dialing sequence. This is useful, for example, when you have to dial 9 to get a dial tone or for accessing a voice mail system.

To insert a pause within a number, press the pound key (#) twice. A "P" is displayed on the handset display.

## *Using Automated Dialing*

You can retrieve numeric information (like a PIN or credit card number) from the phonebook during a phone call. This feature is useful when using an automated response system.

For example, if you frequently access your bank account information over the phone, you can store your account number and PIN in the phonebook, and then access them during the call instead of entering them manually each time.

- 1 While on a call, scroll until ▶ points to the entry you want to recall.
- 2 Press **DIAL** softkey.
- 3 Repeat steps 1 and 2 as often as necessary to complete your transaction.

## Using the Speakerphone

To make a call using the speakerphone, press **HANDSFREE** on the handset or base unit and dial the number.

**Note:** For optimal handset speakerphone sound quality, make sure the belt clip is on. This raises the handset up so it is not lying flat (the speakerphone is on the back of the handset).

When the speakerphone is on,  appears on the display.

To adjust the speakerphone volume, press the volume up or volume down key. These keys are located on the side of the handset or on the top of the base unit.

To toggle between the handset and the speakerphone, press **HANDSFREE**.

If you have call waiting service, press  or  to switch to the second call.

When you are finished talking, press  to hang up and turn the speakerphone off.

**Note:** Pressing **HANDSFRE** while in the caller ID list, redial list, or phonebook turns the speakerphone on and dials the selected number.

## Muting a Call

Press the soft key **MUTE**. To unmute the call, press the soft key **UNMUTE**.

## *Putting a Call on Hold*

Press the soft key **HOLD**. To return to the call, press soft key **UNHOLD**,  or .

When a call is on hold, you can use the intercom features (see “Using the Intercom”).

## *Redialing a Number*

To redial the last number dialed, press  or  and then press **REDIAL**.

To redial one of the last five numbers you dialed:

- 1 Press **REDIAL**.
- 2 Scroll until  points to the number you want to redial.
- 3 Press the **DIAL** softkey,  or  or **HANDSFREE**.

If a number in the redial list matches a number in your phonebook, the name from the phonebook displays instead of the number.

## *Finding a Lost or Misplaced Handset*

To page a missing handset, press **PAGE** on the base station. All handsets registered to the base station will start beeping.

To stop paging all handsets, press **PAGE** again on the base station or press **EXIT** or  on any handset. To stop paging an individual handset, press **OK** on the handset.

## Using the Phonebook

Storing numbers in the phonebook makes it easy to dial numbers you call frequently. You can enter numbers directly into the phonebook or add them from the Caller ID or redial list.

Each handset has its own phonebook, which can hold 50 names and numbers. The base has a 37-entry phonebook.

### Storing a New Number

- 1 Select **PHONEBK**.
- 2 To store a number in the base phonebook, select **SHARED**. To store a number in the handset phonebook, select **PRIVATE**.
- 3 Scroll to **NEW ENTRY** and select **SELECT**.
- 4 Enter the name (up to 12 characters). The flashing underline shows the input cursor position. Select **DELETE** to erase characters to the left of the input cursor.

The following table shows how many times to press each button on the handset or base unit to enter letters and special characters.

| Button | Number of Presses |   |   |   |   |
|--------|-------------------|---|---|---|---|
|        | 1                 | 2 | 3 | 4 | 5 |
| 1      | space             | – | * | , | 1 |
| 2      | A                 | B | C | ( | 2 |
| 3      | D                 | E | F | ) | 3 |
| 4      | G                 | H | I | # | 4 |
| 5      | J                 | K | L | / | 5 |
| 6      | M                 | N | O | ‘ | 6 |
| 7      | P                 | Q | R | S | 7 |
| 8      | T                 | U | V | ? | 8 |
| 9      | W                 | X | Y | Z | 9 |

The first letter of the entry is an uppercase letter. To change the entry from uppercase to lowercase, press \*. A flashing square indicates that you are in the uppercase text entry mode. A flashing cursor indicates that you are in the lowercase text entry mode.

- 5 Scroll down.
- 6 Enter the phone number (up to 24-digits). Select **DELETE** to erase characters to the left of the input cursor.
- 7 Scroll down.
- 8 To set the ring tone for incoming calls from this number, select **CHANGE**. A tone plays each time you select **CHANGE**. Stop at the ring tone you want to set.
- 9 Select **DONE**.

## Storing a Recently Called Number

- 1 Press **REDIAL**. The display shows the last five numbers you dialed, with the most recent number at the top.
- 2 Scroll until ▶ points to the number you want to store.
- 3 Press **STORE**.
- 4 Enter the name (up to 12 characters). See “Storing a New Number” for information on entering text.
- 5 Scroll down until the phone number displays in the Number field. Select **DELETE** to erase characters to the left of the input cursor if modifications need to be made.
- 6 Scroll down.
- 7 To set the tones for incoming calls from this number, select **CHANGE**. A tone plays each time you select **CHANGE**. Stop at the ring tone you want to set.
- 8 Select **DONE**.

## Storing a Caller ID Number

- 1 From the caller ID list, select **OPTIONS**.
- 2 Scroll to **STORE** and press **SELECT**. The caller's name is displayed in the Name field. If you have changes, select **DELETE** to erase characters to the left of the input cursor. See "Storing a New Number" for information on entering text.
- 3 Scroll down until the Number field is displayed. If you have changes, select **DELETE** to erase characters to the left of the input cursor.
- 4 Scroll down.
- 5 To set the tones for incoming calls from this number, select **CHANGE**. A tone plays each time you select **CHANGE**. Stop at the ring tone you want to set.
- 6 Select **DONE**.

## Editing a Phonebook Entry

- 1 Select **PHONEBK**.
- 2 Scroll down until **▶** points to the phonebook entry you want to edit.
- 3 Select **OPTIONS**.
- 4 Scroll down to **EDIT** and select **SELECT**.  
To edit the name, select **DELETE** to erase characters to the left of the input cursor. See "Storing a New Number" for information on entering text.
- 5 Scroll down to the phone number field and modify as necessary.
- 6 Scroll down.

- 7 To set the tones for incoming calls from this number, select **CHANGE**. A tone plays each time you select **CHANGE**. Stop at the ring tone you want to set.
- 8 Select **DONE**.

## Deleting a Phonebook Entry

- 1 Select **PHONEBK**.
- 2 Scroll down until ▶ points to the phonebook entry you want to delete.
- 3 Select **OPTIONS**.
- 4 Scroll down to **DELETE** and select **SELECT**.

## Sorting the Phonebook

Phonebook entries are stored in the order in which they were saved by default. However, you can set the phonebook to sort entries alphabetically.

Once sorted, a phonebook cannot be unsorted or reset to its previous list order.

- 1 Select **PHONEBK** and scroll to any phonebook entry.
- 2 Select **OPTIONS**.
- 3 Scroll down to **SORT PHONEBK** and select **SELECT**. The option “Alphabetically sort phonebk?” is displayed
- 4 Select **YES** or **NO**.

## Calling a Number from the Phonebook

- 1 Select **PHONEBK**.
- 2 Scroll down until **►** points to the phonebook entry you want to call.
- 3 Press  ,  , or **HANDSFREE**

## Using Caller ID

If you subscribe to caller ID service, the caller's name and number are displayed when you receive a call. If information on the caller is not available, or if you do not subscribe to caller ID service, **INCOMING CALL** is displayed.

**Note:** If you subscribe to caller ID service, but **INCOMING CALL** or **No Data** is displayed for all of your incoming calls, contact your telephone company.

## Reviewing the List of Caller ID Calls

The handset can store up to 40 caller ID records.

- 1 Scroll down to view the recent calls list. The most recent call is listed first.
- 2 Scroll to review more calls.
- 3 To call the number, press  ,  , or **HANDSFREE**.

To reformat the number before you call, select **FORMAT** until the correct format displays.

For example, if a number you want to call is stored with the area code (10 digits), but you do not use the area code to call this number, press **FORMAT** until the number appears without the area code (7 digits).

## Deleting Caller ID Calls

- 1 From the caller ID list, select **OPTIONS**.
- 2 Scroll to **DELETE** (to delete the current caller ID entry) or **DELETE ALL** (to delete all caller ID records) and select **SELECT**.  
If you select **DELETE ALL**, select **YES** at the **DELETE ALL?** prompt.
- 3 Press **NO** to return to the caller ID list.

## *Multihandset Functions*

The following multihandset functions require at least two (up to eight) handsets registered to the base unit.

You can expand your phone system by adding up to eight compatible Motorola MD7090 series expansion handsets. Expansion handsets do not require connection to a phone line. You can place the handset and its charging base anywhere a standard electrical outlet is available.

With multiple handsets, you can:

- Conference call
- Talk handset to handset on the intercom
- Set up handsets to automatically answer intercom calls
- Transfer calls from one handset to another
- Monitor a room

To order expansion handsets, visit us online:

**[www.motorola.com/cordless](http://www.motorola.com/cordless)**

**(In Canada, check website for local retailers)**

Or contact us at:

**1-800-353-2729 U.S.A.**

**1-800-461-4575 Canada**

- **1-888-390-6456 TTY (Text Telephone)**

## Registering an Expansion Handset

- 1 Press **MENU**.
- 2 Scroll to **REGISTER**.
- 3 Press **SELECT**.
- 4 Press and hold the **PAGE** button until the handset beeps.
- 5 Press **OK** to return to the handset screen.

## Deregistering an Expansion Handset

**Caution:** If you deregister all handsets from the base unit you will render your cordless telephone system inoperable until at least one handset is reregistered to the base unit.

**Note:** When deregistering a handset, delete or listen to all voice mail messages, if necessary, to clear the **IN USE/Voice Mail** indicator.

- 1 Press **OFF** on the base unit and all handsets.
- 2 Press and hold down **PAGE** on the base unit until the **IN USE** indicator begins to flash slowly, then release.
- 3 Press and hold down **PAGE** again until the **IN USE** indicator begins to flash quickly, then release **PAGE**.
- 4 Quickly and fully press and release **PAGE** again. "**Please register handset**" displays.
- 5 Press **OK** to register another device, or press **EXIT**.

**Note:** When replacing an expansion handset, you **must** deregister the old one before replacing it with a new one. If you do not deregister the handset being replaced, the slot used by that handset will be permanently inaccessible.

## Using the Intercom

The handsets and base station can be used as an intercom system, allowing you to talk to people in other parts of your home.

### 1 Press **INTERCOM**.

If you only have one additional handset, pressing **INTERCOM** automatically pages the handset.

If you have multiple handsets, a list of handsets is displayed.

### 2 Scroll to and select the handset you want to page.

### 3 Select **PAGE**. The other phone is paged.

To answer a page, press **OK**.

If your page is not answered after two minutes, or if the person you are paging selects **EXIT** or presses  **NO**, **ANSWER** is displayed on your handset and paging stops.

### 4 To end an intercom session, press .

## Enabling Auto-Answer

You can program a handset or base unit to automatically answer a page by turning on the speakerphone. The handset and base unit are programmed not to do this by default.

- 1 Select **MENU**.
- 2 Scroll to and select **INTERCOM SETUP**.
- 3 Scroll to and select one of the following options:
  - AFTER 1 RING**: The handset automatically answers a page after one ring.
  - AFTER 3 RINGS**: The handset automatically answers a page after three rings.
- 4 Select **EXIT** to return to the standby screen, or scroll to a different menu option.

## Transferring Calls to Other Handsets

- 1 Select **HOLD**.
- 2 Press **INTERCOM**.

If you only have one additional handset, pressing **INTERCOM** automatically pages the handset. Continue to step 5.
- 3 Scroll to and select the handset to which you want to transfer the call.
- 4 Select **PAGE**.
- 5 If you want to announce the transfer to the other handset, speak once the page has been answered.

- 6 Select **UNHOLD**. The call is transferred to the other handset and all three individuals are on the call.
- 7 Press  to disconnect.

## Conference Calling

Multiple handsets can participate in a call.

When only one handset is on a call, **LINE IN USE** is displayed. Once additional handsets join the call, **ON CONFERENCE** is displayed.

To connect to a call or join a conference call from an expansion handset or base station, press

,  or **HANDSFREE**.

To disconnect from a conference call, press  on the handset or base station.

### Creating a Conference Call with Lines 1 and 2

If you are on , and  rings with the party you wish to conference:

Press . The system automatically places  on hold.

**OR**

Press soft key **HOLD** and answer . The display reads **L1 Call On Hold**. The Line 1 icon flashes and the Line 2 icon is solid.

Press soft key **CONF** to join all parties in the call. The display reads **L1 L2 Conference**, and both icons are solid

## Monitoring a Room

Room monitoring allows you to place a handset in a room and listen to the sounds in that room from another handset.

- 1 Place a handset in the room to be monitored.
- 2 On that handset, select **MENU**.
- 3 Scroll to **MONITOR ROOM** and select **SELECT**. **READY TO MONITOR ROOM** is displayed.
- 4 On the handset you want to listen from, press **INTERCOM**.  
If you only have one additional handset, pressing **INTERCOM** automatically pages the handset.

- 5 If you have multiple additional handsets, scroll to the handset you want to monitor, and select **PAGE**.

The handset being monitored automatically answers the page, the microphone is turned on, and the speaker is turned off.

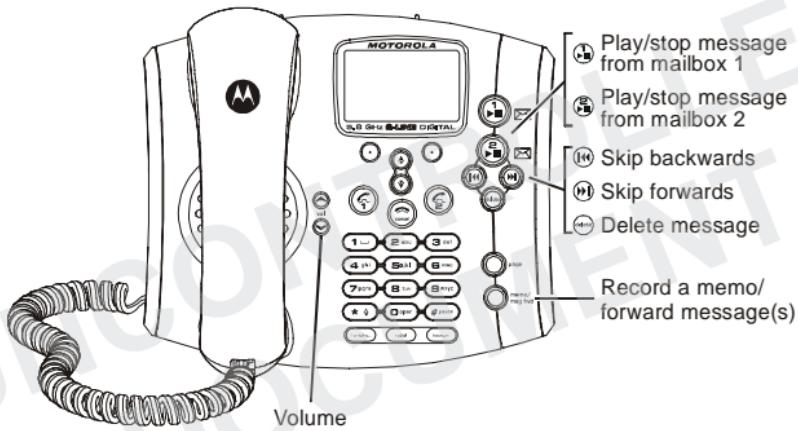
For example, **MONITORING Kitchen (1)** is displayed on the handset from which you are monitoring.

To stop monitoring, select **CANCEL** or  on either handset. Monitoring also stops whenever an incoming call is answered.

# Using the Answering Machine

The answering machine stores up to 30 minutes of messages and/or memos. You can listen to your messages from the base station, from the handset, or remotely. You can also set your phone to automatically forward answering machine messages to another phone number.

## Answering Machine Overview



You can setup the answering machine functions from a handset or the base unit.

**Mailbox 1** holds the messages for  , and **Mailbox 2** holds the messages for  .

Each line has individual settings for: **ON/Off**, **Announcement**, **Outgoing Messages**, **Number of rings**, **Security code**, **Voice prompt language**, **Recording Quality**, and **Message forwarding**.

## *Setting Up the Answering Machine*

### **Turning the Answering Machine On or Off**

- 1 Press **MENU**.
- 2 Scroll to **ANS MACH SETUP**.
- 3 Press **SELECT**.
- 4 Press **MAILBOX 1** or **MAILBOX 2**.
- 5 Press **Answer ON/OFF**.
- 6 Select **ON** or **OFF**.
- 7 Press **DONE**.

### **Setting Voice Prompts**

- 1 Press **MENU**.
- 2 Scroll to and select **ANS MACH SETUP**.
- 3 Press **SELECT**.
- 4 Select **MAILBOX 1** or **MAILBOX 2**.
- 5 Scroll to and select **VOICE PROMPT**.
- 6 Scroll to and select **ENGLISH**, **FRENCH**, or **SPANISH**.
- 7 Press **Done**.

Answering  
Machine

## Setting Recording Quality

You can set your voice mail to record at higher sound quality with a shorter recording time, or for longer recording time with lower sound quality.

- 1 Select **MENU**.
- 2 Scroll to and select **Ans Mach Setup**.
- 3 Select **MAILBOX 1** or **MAILBOX 2**.
- 4 Scroll to and select **Record Quality**.
- 5 Scroll to and select either **Med qual/Longr** or **Hi qual/Shortr**.
- 6 Select **DONE** to save selection.

## Setting Up Your Outgoing Message

You can record a personal outgoing message (OGM) that plays when you receive a call but cannot answer. If you do not record a personal message, a prerecorded greeting will play.

### Recording an Outgoing Message (OGM)

- 1 Press **MENU**.
- 2 Select **MAILBOX 1** or **MAILBOX 2**.
- 3 Scroll to and select **ANS MACH SETUP**.
- 4 Scroll to and select **OUTGOING MSG**.
- 5 Scroll to and select **RECORD OGM**.
- 6 Select **YES** to record your message.
- 7 When you are finished recording, select **END**. To replay your message, select **REPLAY**.

## Changing the Outgoing Message

You can change or erase a personally recorded message; the default greeting cannot be erased or changed.

- 1 Select **MENU** and then scroll to and select **ANS MACH SETUP**.
- 2 Select **MAILBOX 1** or **MAILBOX 2**.
- 3 Scroll to and select **OUTGOING MSG**.
- 4 Scroll to and select **CHANGE OGM**.
- 5 Select either **RECORD OGM** or **CHANGE OGM**.
- 6 Press **DONE** after you finish recording or selecting to save the setting.

## Setting the Number of Rings Before the Answering Machine Picks Up

- 1 Press **MENU**.
- 2 Scroll to and select **ANS MACH SETUP**.
- 3 Select **MAILBOX 1** or **MAILBOX 2**.
- 4 Scroll to and select **Ring number**.
- 5 Scroll to the desired number of rings (**3**, **4**, **5**, **6**, or **TOLLSAVER**).
- 6 Press **DONE**.

Toll Saver sets the answering machine to pick up the call after three rings when new messages are present, or after five rings when there are no new messages.

Using this feature, if you call long distance to check your messages and the phone does not pick up after the third ring, you can hang up and avoid the toll charge because no new messages are waiting.

Answering  
Machine

## Setting the Security ID Number

The security ID number allows you to remotely access your messages from any touch-tone phone.

- 1 Press **MENU**.
- 2 Scroll to and select **ANS MACH SETUP**.
- 3 Select **MAILBOX 1** or **MAILBOX 2**.
- 4 Scroll to and select **SECURITY ID**.
- 5 Enter your three-digit security number.
- 6 Press **DONE**.

## Recording a Memo

To record a message that you can play back later:

- 1 Press and hold **MEMO** on the base station.
- 2 Select **MAILBOX 1** or **MAILBOX 2** to leave the message.
- 3 Release the **MEMO** button to stop recording.

## Checking Messages from the Base Unit

- ➊ Play/stop message from mailbox 1
- ➋ Play/stop message from mailbox 2
- ➌ Skip backwards
- ➍ Skip forwards
- ➎ Delete message

## Checking Messages from a Handset

- 1 Select **MENU**.
- 2 Scroll to and select **MESSAGES**.
- 3 Select **MAILBOX 1** or **MAILBOX 2**.
- 4 Scroll to and select the function you want. The functions are:

**1: REVIEW**

**2: PLAY/STOP**

**3: SKIP**

**4: ANSWER ON/OFF**

**5: MEMO**

**7: REPEAT MENU**

**0: ERASE**

## Checking Messages Remotely

If you have a touch-tone phone, you can access your messages remotely.

- 1 Call your home.
- 2 When the answering machine picks up the call, press \* and then enter your security ID number. A synthesized voice prompts you with instructions.
- 3 To skip the voice prompts and operate the base station directly, press the appropriate number key on the phone. The functions are:

|                     |                                      |
|---------------------|--------------------------------------|
| Press <b>2 abc</b>  | to play/stop messages                |
| Press <b>3 def</b>  | to skip forwards                     |
| Press <b>1 ←</b>    | to skip backwards                    |
| Press <b>4 ghi</b>  | to turn the answering machine on/off |
| Press <b>5 jkl</b>  | to record a memo                     |
| Press <b>7 pqrs</b> | to repeat the menu                   |
| Press <b>0 oper</b> | to delete the message                |

## Message Forwarding

Your Motorola phone can be set to automatically forward answering machine messages to another phone number.

To set up the phone number:

- 1 Press **MENU**.
- 2 Scroll to and select **ANS MACH SETUP**.
- 3 Select **MAILBOX 1** or **MAILBOX 2**.
- 4 Scroll to and select **FORWARD MSGS**.
- 5 Scroll to and select **SET FWD NUMBER**.
- 6 Enter the phone number where your messages will be forwarded.
- 7 Press **DONE**. If a pause is required, press the pound key (#) twice.
- 8 Scroll to and select **FORWARD ON/OFF**.
- 9 Select **ENABLE**.
- 10 Press **DONE**.

## Quick Enable Message Forwarding

To activate message forwarding, quickly press and release the **MEMO** button on the base. The message **FWD ANSWER ON** is displayed.

With message forwarding activated, the next time a message is received, the answering machine will call the phone number you specified. When you answer the call, you will be prompted for your security code. See “Setting the Security ID Number” for details. For more information about retrieving your message, see “Checking Messages Remotely.”

To disable message forwarding, press and release **MEMO** again.

## Screening Calls

You can screen a call by allowing the answering machine to pick up and listening to the message as it is being recorded.

- 1 When **RECORDING INCOMING MESSAGE** is displayed, select **SCREEN**.
- 2 To answer the call, press  or  . To stop listening to the incoming message, press .

UNCONTROLLED  
DOCUMENT

Answering  
Machine

# ***Motorola Limited Warranty***

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## **Motorola Limited Warranty**

for Consumer Products, Accessories, and Software  
Purchased in the United States or Canada

### **What Does this Warranty Cover?**

Subject to the exclusions contained below, Motorola, Inc. warrants its cordless telephones ("Products"), Motorola-branded or certified accessories sold for use with these Products ("Accessories"), and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

**Products and Accessories** as defined above, unless otherwise provided for below. Length of coverage: one (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.

- **Decorative Accessories and Cases.** Decorative covers, bezels, PhoneWrap® covers and cases. Length of coverage: limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
- **Products and Accessories that are Repaired or Replaced.** Length of coverage: The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.
- **Software.** Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk). Length of coverage: ninety (90) days from the date of purchase.

## ***Exclusions***

**Normal Wear and Tear.** Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

**Batteries.** Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

**Abuse & Misuse.** Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) Acts of God or nature, or other acts which are not the fault of Motorola, are excluded from coverage.

### **Use of Non-Motorola Products and Accessories.**

Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

**Unauthorized Service or Modification.** Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

**Altered Products.** Products or Accessories with (a) serial numbers or date tags that have been removed, altered, or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

**Communication Services.** Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products, Accessories or Software is excluded from coverage.

**Software Embodied in Physical Media.** No warranty is made that the software will meet your requirements or will work in combination with any hardware or software

applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

**Software NOT Embodied in Physical Media.** Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided "as is" and without warranty.

### **Who is Covered**

This warranty extends to the first end-user purchaser, only.

### **What will Motorola Do?**

Motorola, at its option, will at no charge repair, or replace any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

### **How to Get Warranty Service or Other**

#### **Information**

In the USA, call:

1-800-353-2729

TTY 1-888-390-6456

In Canada, call:

1-800-461-4575

TTY 1-888-390-6456

For accessories and software, please call the telephone number designated above for the product with which they are used. You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable), (e) your telephone number; and most importantly, your return mailing address on the outside of the returned unit.

## **What Other Limitations Are There?**

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